Indicators for Sustainable Development Policies in The Netherlands

experiences and deliberations from a small but rich delta society in a global economy and ecology

Part 1: Concepts

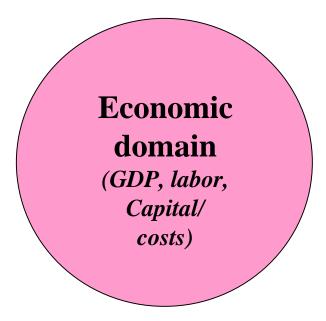


Concept 1

The Domains of Sustainable Development

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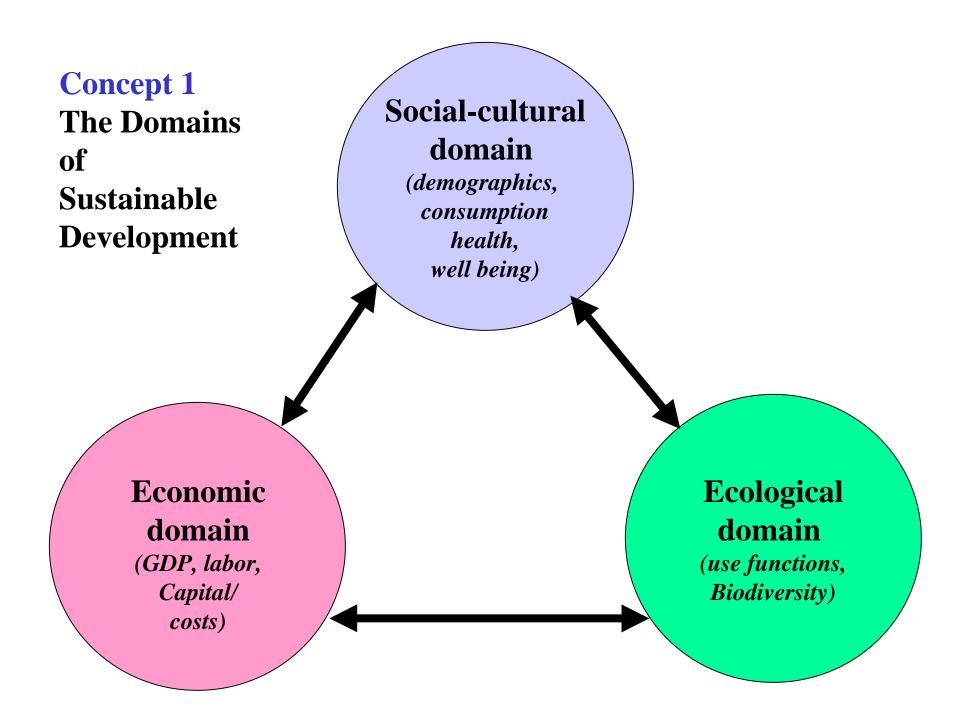
The Domains of Sustainable Development

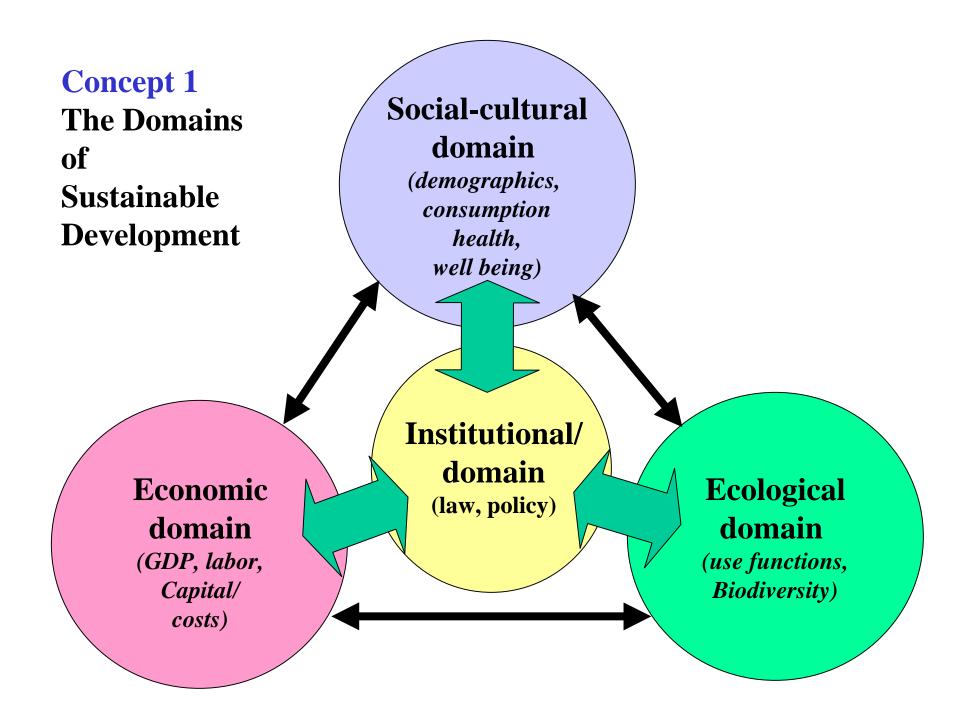
Social-cultural domain

(demographics, consumption health, well being)

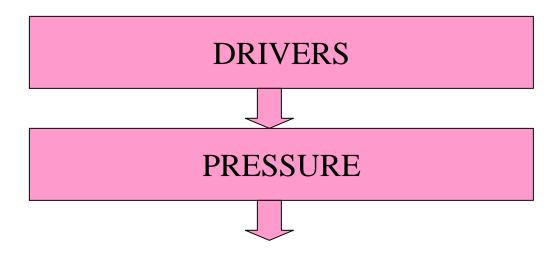
Economic domain

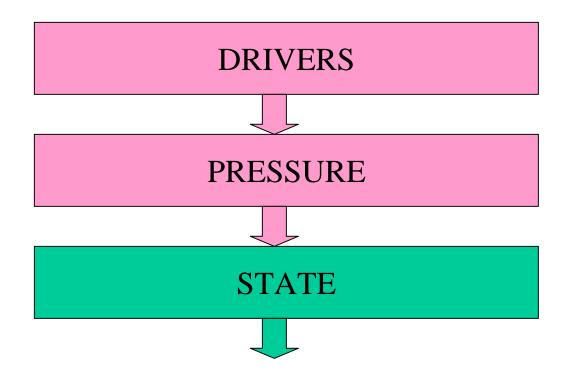
(GDP, labor, Capital/ costs)

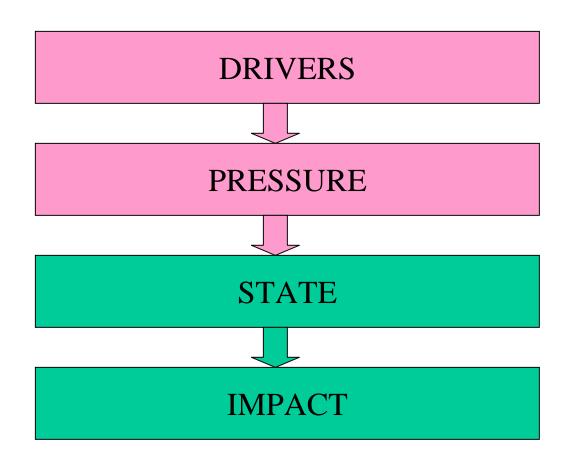


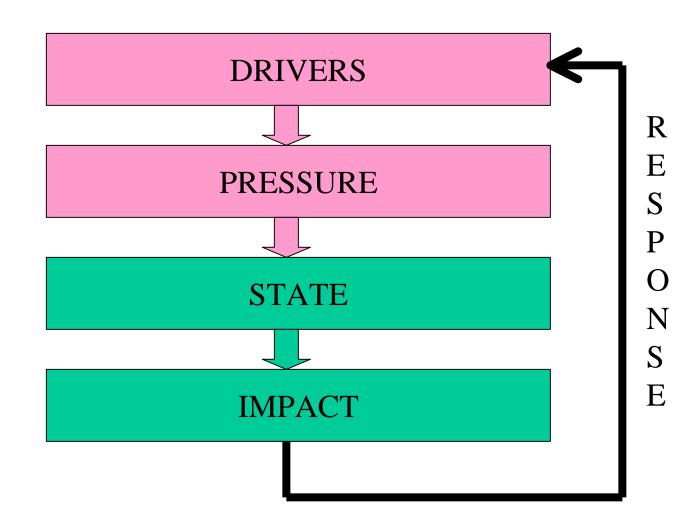












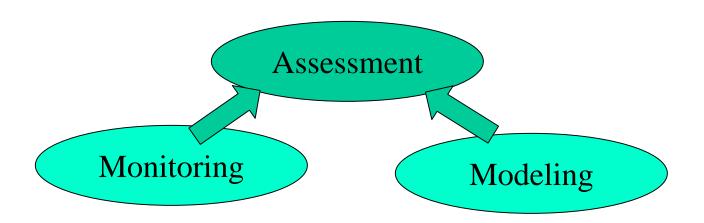
Concept 3:

Assessment based on monitoring & modeling

Assessment

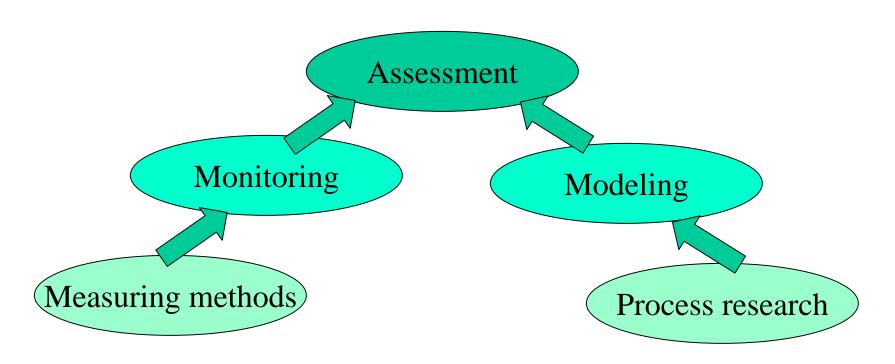
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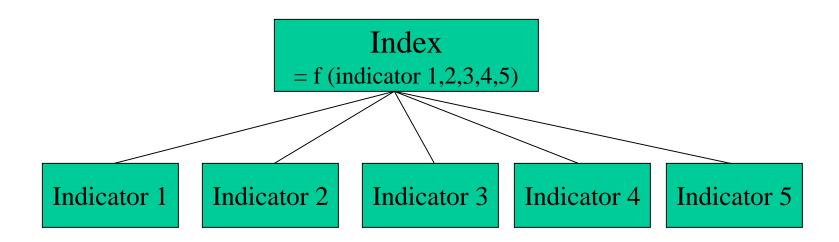
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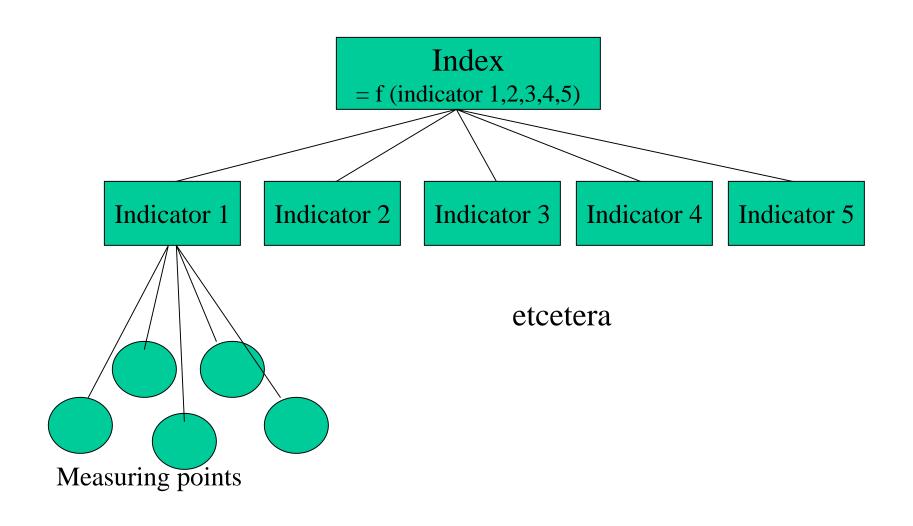
Assessment based on monitoring & modeling



Index

= f (indicator 1,2,3,4,5)





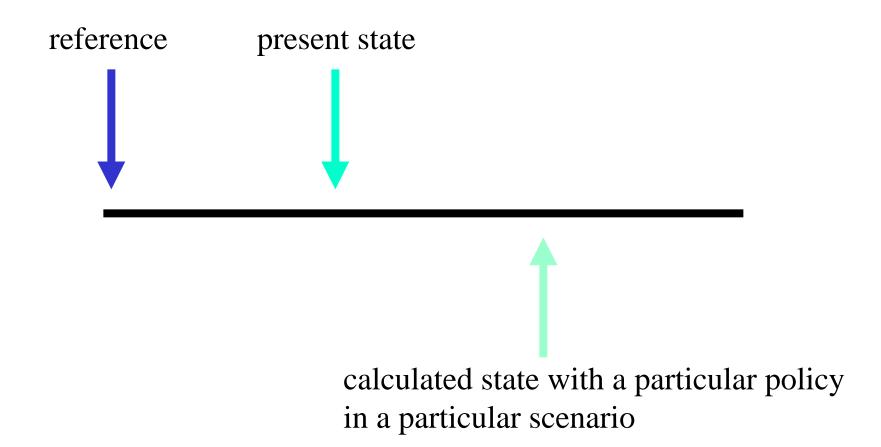
present state

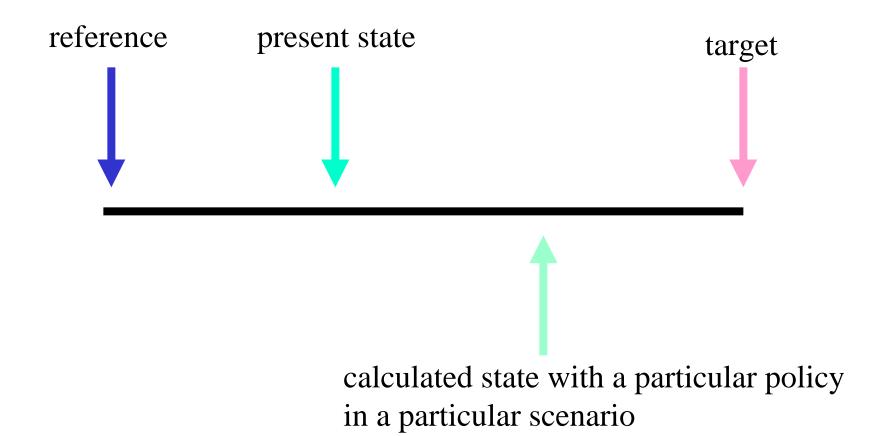


present state



calculated state with a particular policy in a particular scenario





Concept 5: Hard versus Soft Sustainability

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1. SUSTAINABILITY BASED ON HARD CONSTRAINTS W.R.T. CARRYING CAPACITY AND VULNARABILITY OF THE DOMAINS

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1. SUSTAINABILITY BASED ON HARD CONSTRAINTS
W.R.T. CARRYING CAPACITY AND
VULNARABILITY OF THE DOMAINS

2. SUSTAINABILITY BASED ON (SOFT) EXCHANGE OF CAPITAL BETWEEN THE DOMAINS OF SUSTAINABLE DEVELOPMENT

Part 2: Application

National Environmental Outlook 5 2000-2030

The issue:

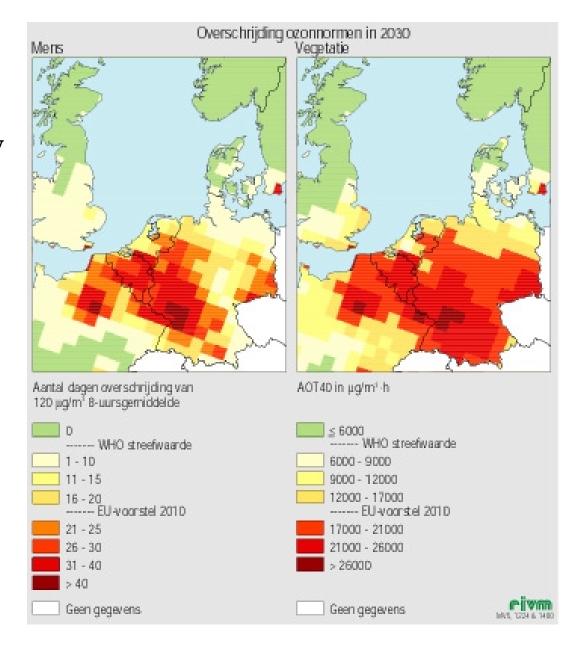
Sustainable development of the Netherlands,

The issue:

Sustainable development of the Netherlands,

or

The issues of sustainable GLOBAL development from the perspective of a small, but relatively advanced and rich delta nation The Netherlands: an open economy with transboundary environmental problems The Netherlands: an open economy with transboundary environmental problems



2. Sustainable Development on a Global Scale

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2.1 DRIVERS & PRESSURES:

2. Sustainable Development on a Global Scale

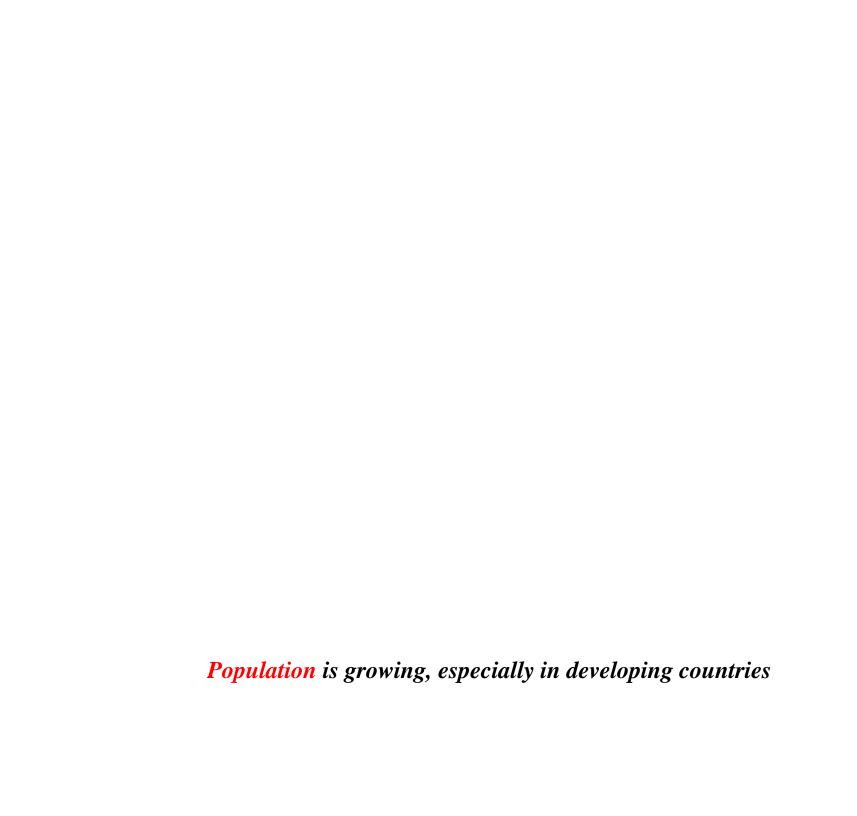
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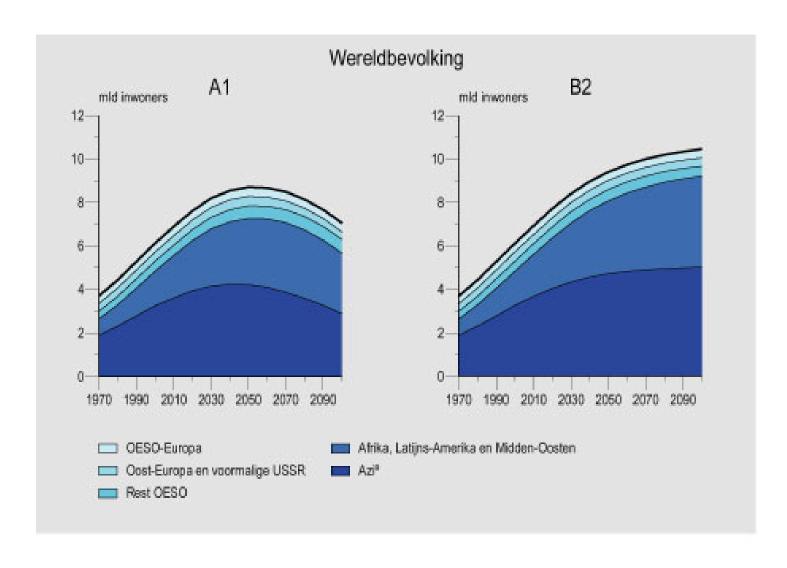
Population is growing, especially in developing countries

GWP and energy use increase considerably

Demand for land is increasing due to the need for food and due to urbanisation

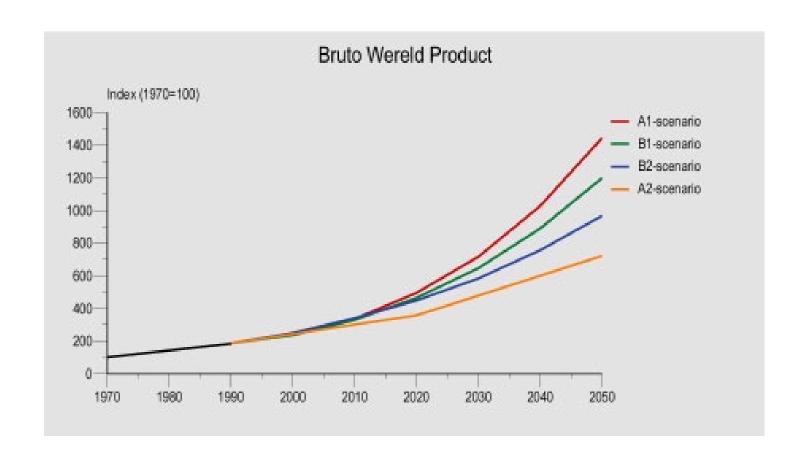
More environmental damage is caused in the Netherlands through production for export than through import of products by the Netherlands





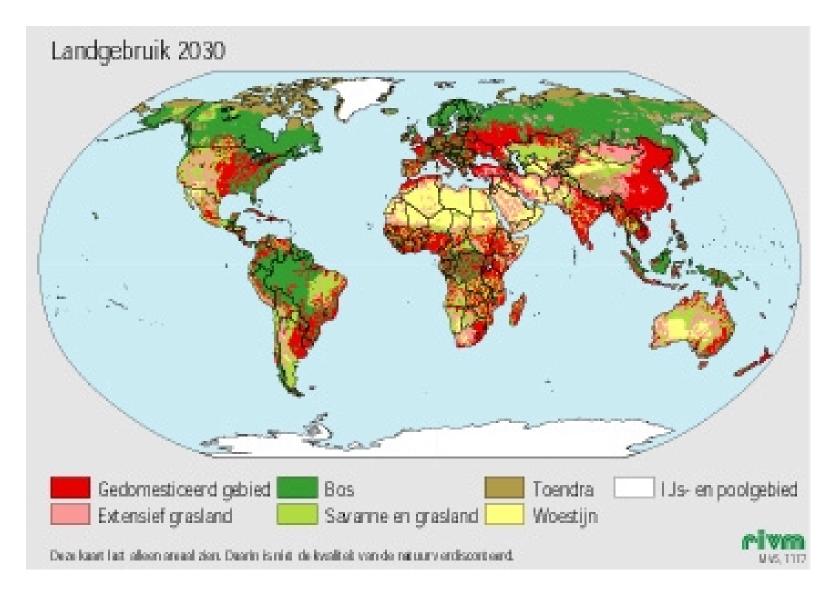
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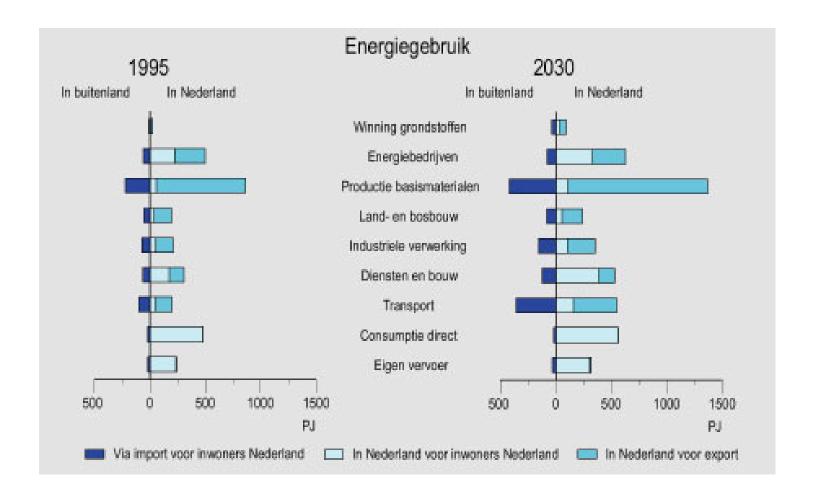
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2.2 STATE & IMPACTS

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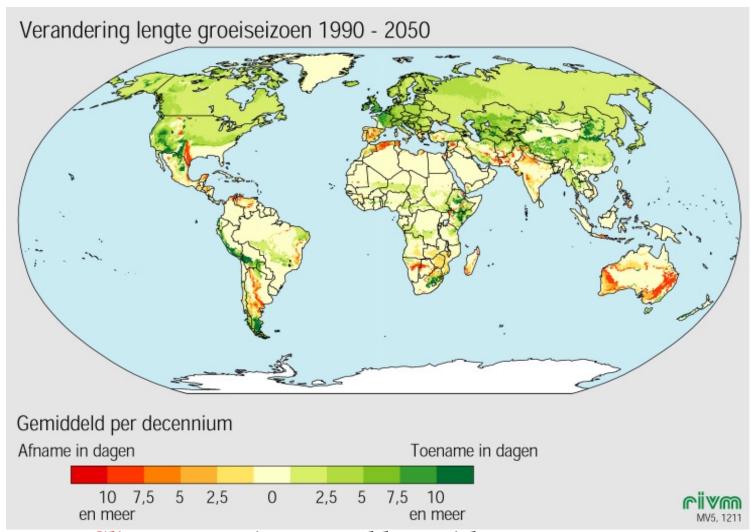
Climate: Persistent problem with severe consequences

Biodiversity: Greatest decline in areas with the greatest species diversity

Limits to the fish catch are near at hand

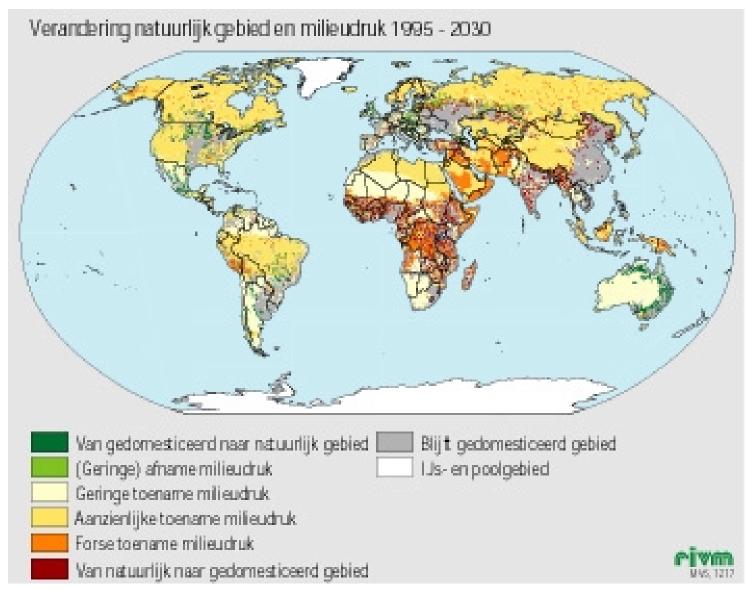
Economic growth and better health are often interconnected

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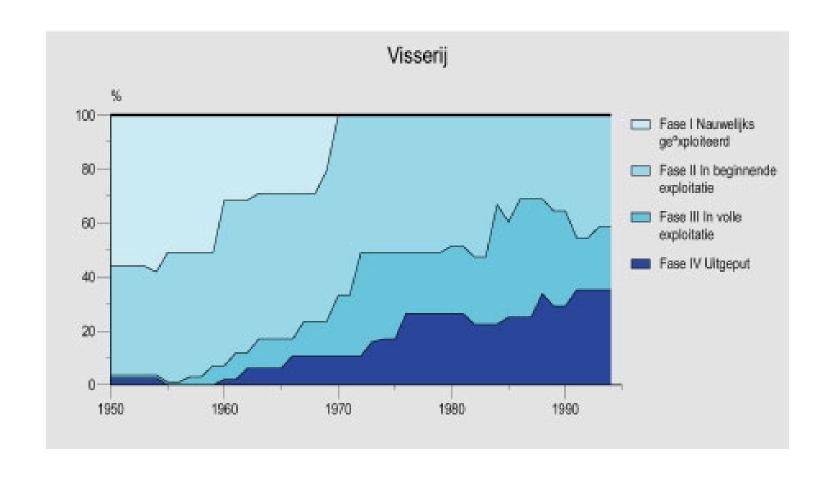
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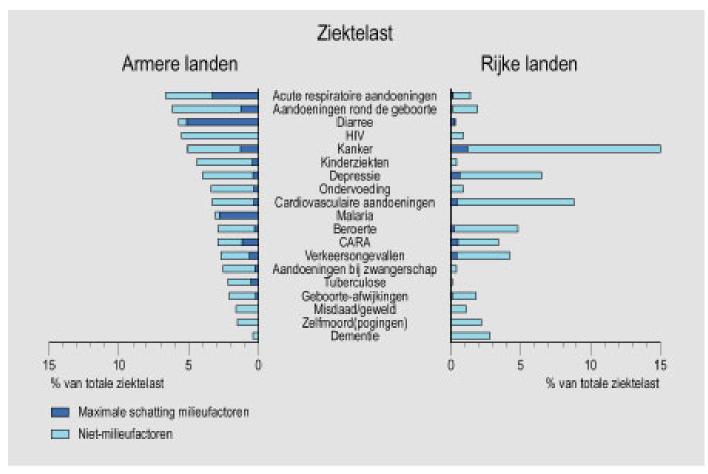
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3.1 DRIVERS & PRESSURES

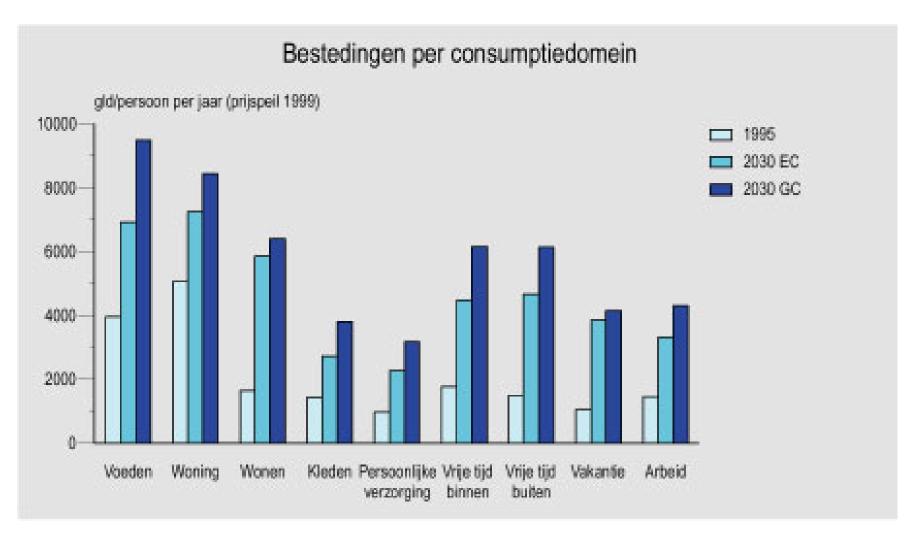
3. Sustainable development in Europe and the Netherlands

3.1 DRIVERS & PRESSURES

Future environmental pressure in Europe primarily due to economic growth

Land availability is a key factor in the tension between economy and ecology

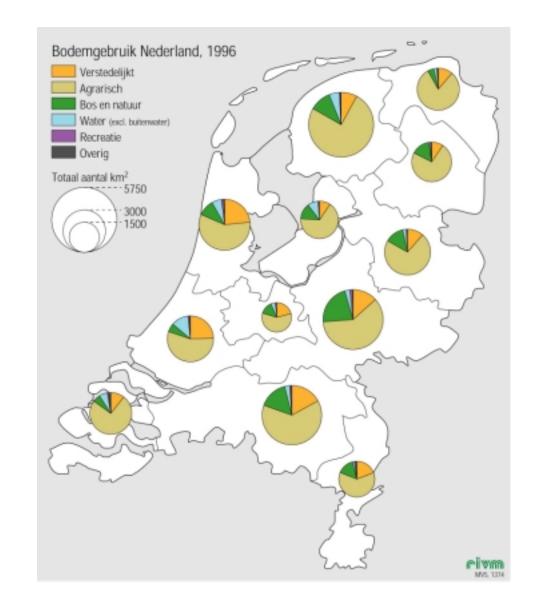
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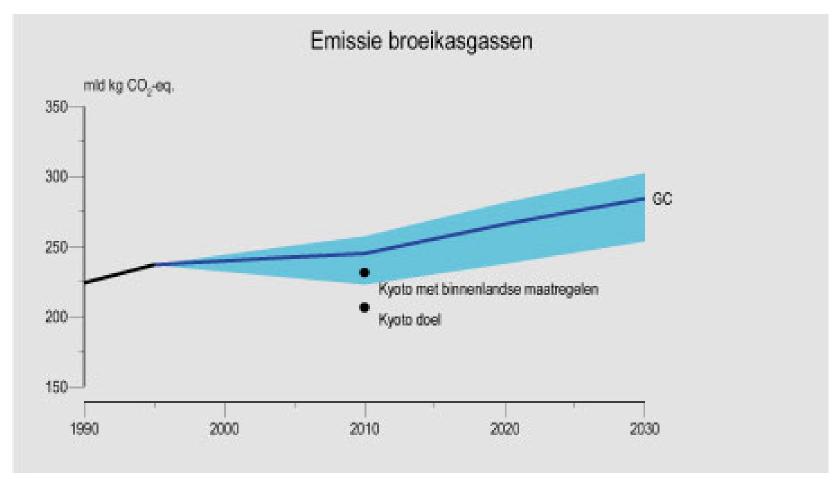
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Climate: Far-reaching targets, a difficult start

The quality of the daily life environment

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The quality of the daily life environment

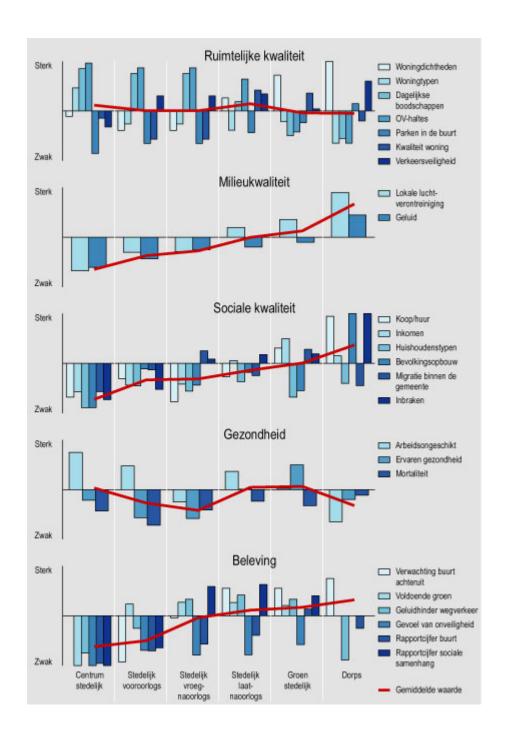
The quality of the daily life environment

Graphs

spatial
environmental
social
health
perception

x-axis

down-town big city pre-war urban post-war urban 60's/70's green urban rural



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- globalisation of environmental policy because of the globalisation of the economy

Thank you